

PURIFICATION, COMPOSITION AND SPECIFICITY  
OF HEPARINASE I, II, AND III  
from *Flavobacterium Heparinum*

Abstract of the Invention

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A single, reproducible scheme to simultaneously purify all three of the heparin lyases from *F. heparinum* to apparent homogeneity is disclosed herein. The kinetic properties of the heparin lyases have been determined as well as the conditions to optimize their activity and stability. Monoclonal antibodies to the three heparinases are also described and are useful for detection, isolation and characterization of the heparinases.

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